

LENET :

Team Name – Outliers

Team Number – 13

Members: Suvadeep Maiti - 2021702021

Praguna Manvi - 2021701031

Haasith Pasala - 2021702017

Laksh Nanwani – 2021701002

Project objectives:

- Build Lenet – 5 from scratch using basic libraries such as NumPy.
- Evaluate with inbuilt Lenet – 5 model trained with libraries.
- Achieve an accuracy close to the paper's on MNSIT test set.

Deliverables:

- Preprocess MNSIT Dataset containing 60000 samples.
- Implementing hidden layers and forward pass.
- Implementing back-propagation from scratch.
- Visualizing and comparing the results on MNSIT data set.

Timeline (Year 2021):

26 th Oct	Project Allocation
7 th Nov	Proposal Submission
8 th Nov – 11 th Nov	Paper and relevant work reading
12 th Nov – 17 th Nov	Implementing hidden layers and forward pass.
18 th Nov – 20 th Nov	Mid evaluation
21 st – 27 th Nov	Backpropagation implementation
27 th Nov – 3 rd Dec	Training, testing, Analysis and ppt preparation
4 th Dec	Final Evaluation

References:

1. http://vision.stanford.edu/cs598_spring07/papers/Lecun98.pdf

